

CONTENTS — VOLUME 18

Number 1

Commentary

Down's syndrome, interferon sensitivity and the development of leukaemia

1 *L. Zihni*

Original Articles

The Met hepatocyte growth factor receptor (HGFR) gene is overexpressed in some cases of human leukemia and lymphoma

7 *M. Jücker, A. Günther, G. Gradl, C. Fonatsch, G. Krueger, V. Diehl and H. Tesch*

CD14 mediated endogenous TNF-alpha release in HL60 AML cells: a potential model for CD14 mediated endogenous cytokine release in the treatment of AML

17 *S. P. Treon, B. Anand, R. Ulevitch and S. A. Broitman*

Growth regulation of a T-cell lymphoma via the T-cell receptor

23 *H. C. O'Neill*

Flow cytometric analysis of cell-surface antigen expressions on acute myeloid leukemia cell populations according to their cell-size

29 *H. Kawada, Y. Ichikawa, S. Watanabe, T. Nagao and S. Arimori*

Measurement of the growth parameters of precursor B-acute lymphoblastic leukaemic cells in co-culture with bone marrow stromal cells; detection of two CD10 positive populations with different proliferative capacities and survival

37 *D. M. Ashley, S. J. Bol and G. Kannourakis*

Significance of pH on differentiation of human erythroid cell lines

49 *T. Endo, Y. Ishibashi, H. Okana and Y. Fukumaki*

Interleukin-4 (IL-4) inhibits proliferation and spontaneous cytokine release by chronic lymphocytic leukaemia cells

55 *J. E. Reittie and A. V. Hoffbrand*

Concise Reports

Pseudorelapse in acute myelomonocytic leukemia after high dose methylprednisolone

61 *D. Albayrak*

Total loss of p53 DNA sequences in acute myeloid leukaemia

63 *D. Gandini, A. Cuneo, M. G. Carli, F. Lanza, G. L. Castoldi and L. del Senno*

Letter to the Editors

Marrow macrophages—pharmacologic sanctuary for pluripotent stem cells?

67 *G. M. Janković, M. D. Čolović, R. B. Čolović, A. Novak, N. Antonijević, A. D. Bogdanović and Z. N. Rolović*

69 *Corrigendum*

Number 2

Original Articles

Clonality analysis of childhood ALL in remission: no evidence of clonal hematopoiesis

71 *L. Busque, R. Ilaria Jr, R. Tantravahi, H. Weinstein and D. G. Gilliland*

DNA aneuploidy of adult T-cell leukemia cells

79 *S. Kamihira, S. Atogami, H. Sohda, S. Momita, K. Toryia, S. Ikeda, Y. Yamada and M. Tomonaga*

Richter's syndrome associated with loss of response to transforming growth factor-beta

85 *P. C. Nowell, J. S. Moore, F. E. Fox, R. J. Capocasale, J. A. Kant and E. C. Besa*

Nonrandom chromosomal abnormalities in bovine lymphoma

91 *M. W. Schnurr, R. F. Carter, I. D. Dubé, V. E. Valli and R. M. Jacobs*

Peripheral blood hairy cell leukemia cells express only low affinity IL-2 receptors

101 *K. Bulger, J. Murphy, A. Janckila, J. Nichols and R. McCaffrey*

The effect of rh-cytokines on the sensitivity of normal human CFU-GM progenitors to Ara-C and on the S-phase activity of light density human bone marrow cells

Forskolin potentiates G-CSF-induced proliferation of a murine myeloblastic leukemia cell line

PHA induces IL-2 receptors on B-CLL cells and is a potential biological response modifier for the LIL-2 diphtheria toxin, DAB₄₈₆IL-2

Constitutive production of IL-6 in the anemic mice of *W/W^v* genotype

Basal expression of the human macrophage colony-stimulating factor (M-CSF) gene in K562 cells

Letter to the Editors

Acute myeloblastic leukemia (AML-M2) expressing CD19 B-cell lymphoid antigen without myeloid surface antigens

- 105 M. A. Smith, J. G. Smith, A. B. Provan and C. R. J. Singer
- 111 K. Kobayashi, M. Nishikawa, S. B. Omay, H. Toyoda, K. Deguchi and S. Shirakawa
- 119 K. Bulger, F. Padua, R. Duff, G. Pihan, J. Nichols, J. Murphy and R. McCaffrey
- 123 T. Yanai, K. Sugimoto, T. Tsuji, E. Takashita and K. J. Mori
- 133 R. A. Sater
- 145 S. H. Khalil, J. M. Jackson, M. H. Qari and H. Pyle

Number 3

Editorial

Editorial policy

Original Articles

Regrowth resistance in leukemia and lymphoma: the need for a new system to classify treatment failure and for new approaches to treatment

Commentary

Regrowth resistance

Original Articles

Myelodysplasia and acute megakaryoblastic leukemia in Down's syndrome

Use of cell surface antigen phenotype in guiding therapeutic decisions in chronic myelomonocytic leukemia

Immunophenotyping of acute lymphoblastic leukaemia in Madras, India

Natural killer cytotoxicity and lymphocyte subpopulations in patients with acute leukemia

Involvement of oxygen radicals in the differentiation of rat myelomonocytic leukemia cells *in vitro* and *in vivo*

Rapid interferon-gamma-stimulated tyrosine phosphorylation of cytosolic and membranal proteins in HL-60 promyelocytic cells

Effect of herbimycin A, an inhibitor of tyrosine kinase, on protein tyrosine kinase activity and phosphotyrosyl proteins of Ph¹-positive leukemia cells

Effects of herbimycin A and its derivatives on growth and differentiation of Ph¹-positive acute lymphoid leukemia cell lines

Letters to the Editors

Two possible metabolic blocks in DNA synthesis that could be mutagenic

Hypercalcemia in acute lymphoblastic leukemia

- 147 J. M. Bennett and T. J. Hamblin
- 149 H. D. Preisler and V. Gopal
- 161 E. H. Estey
- 163 A. Zipursky, P. Thorner, E. De Harven, H. Christensen and J. Doyle
- 173 T. J. Woodlock, B. Seshi, R. L. Sham, E. M. Cyran and J. M. Bennett
- 183 K. R. Rajalekshmy, A. R. Abitha, R. Pramila, T. Gnanasagar, V. Maitreya and V. Shanta
- 191 A. Parrado, S. Casares and J.-M. Rodríguez-Fernández
- 199 M. Kobayashi, J. Nishihara, Y. Fujii, H. Maeda, M. Hosokawa and N. Takeichi
- 205 M. Kafka, A. Dvilansky and I. Nathan
- 213 M. Okabe, K. Kawamura, T. Miyagishima, T. Itaya, D. Goodwyn, M. Shoji, W. R. Vogler, K. Sakurada, M. Uehara and T. Miyazaki
- 221 S. Sato, Y. Honma, M. Hozumi, Y. Hayashi, Y. Matsuo, K. Shibata, S. Ōmura, K.-I. Hino, S. Tomoyasu and N. Tsuruoka
- 229 T. E. Parry
- 231 J. F. Seymour and H. M. Kantarjian

Number 4

Review

Clinical relevance of P-glycoprotein expression in haematological malignancies

Original Articles

Major and minor breakpoint sites of chromosomal translocation t(14;18) in subtypes of non-Hodgkin's lymphomas

The epidemiology of leukemia in Kuwait

Quality of life of patients with acute myeloid leukaemia

Induction of interleukin-2 receptor alpha chain expression on immature acute myelocytic leukemia cells

The interaction of 2-chlorodeoxyadenosine (2-CDA) and interferon α (IFN- α) on normal and myeloid leukemia hematopoiesis *in vitro*

Transport and metabolism of polyamines in wild and multidrug resistant human leukemia (K 562) cells

Comparison of the intracellular pharmacokinetics of daunorubicin and idarubicin in patients with acute leukemia

Topoisomerase inhibitors potentiate the effect of retinoic acid on cell growth inhibition and induction of differentiation of leukemia HL-60 cells

Expression of functional Fas antigen on adult T-cell leukemia

233 K. Nooter and P. Sonneveld

245 J. Klefstrom, K. Franssila, P. Peltomäki, M. Kaartinen, M.-L. Solin and S. Knuutila

251 S. Al-Bahar, R. Pandita, A. Al-Muhannaha and E. Al-Bahar

257 A. M. Stalfelt

269 K. Nakase, K. Kita, H. Anazawa, K. Hoshino, S. Shirakawa, I. Tanaka and M. Tsudo

275 T. Robak, A. Korycka and J. Góra-Tybor

283 N. A. Khan, O. Fardel, R. Havouis, R. Fauchet and J.-Ph. Moulinoux

293 U. Tidefelt, B. Sundman-Engberg and C. Paul

299 Y. Jing, S. Hashimoto, S. Nakajo and K. Nakaya

305 T. Kotani, Y. Aratake, S. Kondo, K. Tamura and S. Ohtaki

311 Announcement

Number 5

Original Articles

Flow cytometric study of idarubicin and daunorubicin accumulation and the effect of verapamil in leukemic cell lines and fresh cells from patients with acute non-lymphoblastic leukemia

Induction of proto-oncogene and cytokine expression in human peripheral blood monocytes and the monocytic cell line THP-1 after stimulation with mycoplasma-derived material MDHM

Differential phosphorylation in normal and leukemic granulocytes in response to phorbol 12-myristate 13-acetate

Human bone marrow stromal cell contact and soluble factors have different effects on the survival and proliferation of paediatric B-lineage acute lymphoblastic leukaemic blasts

Cytokine receptor expression in leukaemic cells

Lysis of autologous tumor cells by large granular lymphocytes in patients with acute leukemia in complete remission: correlation between lytic activity and clinical outcome

313 J.-M. Boiron, F. Belloc, M. Montastruc, P. Cony-Makhoul, P. Dumain, G. Marit, F.-X. Mahon, M. Puntous, F. Lopez, F. Lacombe and J. Reiffers

319 H. Quentmeier, G. Schumann-Kindel, P. F. Mühlradt and H. G. Drexler

327 F. Batliwalla, S. Advani, B. Gothoskar and S. Zingde

337 D. M. Ashley, S. J. Bol and G. Kannourakis

347 H. Zola, N. Siderius, L. Flego, I. Beckman and R. Seshadri

357 K. Ezaki, M. Okamoto, M. Tsuzuki, M. Wakita, T. Nomura, H. Miyazaki, F. Maruyama, H. Kojima, T. Matsui, T. Ino and M. Hirano

Immunoglobulin and T-cell receptor delta gene rearrangements are rarely found in myelodysplastic syndromes in chronic phase

Co-expression of *c-abl* and *c-myb* oncogenes in Philadelphia chromosome-negative, *bcr*-negative chronic myeloid leukaemia

Complete hematologic remission with oral etoposide in a patient with chronic myelomonocytic leukemia and profound dyserythropoiesis

Brief Communication

Karyotypic findings as an independent prognostic marker in chronic myeloid leukaemia blast crisis

365 C. Preudhomme, A. Vachee, F. Morschauser, N. Henic, A. Cosson and P. Fenaux

373 F. D. Tóth, J. Kiss, A. Kiss, B. Telek, E. Oláh, J. Iványi and K. Rak

381 D. C. Doll, P. C. J. Sun and A. F. List

385 G. Nanjangud, P. R. Kadam, T. Saikia, A. N. Bhisey, A. Kumar, R. Gopal, H. Chopra, C. N. Nair and S. H. Advani

393 Announcement

Number 6

Annotation

Design of trials for antibody treatment of tumour

395 G. T. Stevenson

Original Articles

Capping of *bcr-abl* antisense oligonucleotides enhances antiproliferative activity against chronic myeloid leukemia cell lines

401 M. Thomas, B. Kosciolk, N. Wang and P. Rowley

Overexpression of the Raf-1 proto-oncogene in human myeloid leukemia

409 C. A. Schmidt, H. Oettle, W.-D. Ludwig, S. Serke, B. Pawlaczyk-Peter, F. Wilborn, L. T. Binder, D. Huhn and W. Siegert

Serum concentrations of tumour necrosis factor- α during chemotherapy-induced leukopenia in patients with acute leukaemia and bacterial infections

415 Ø. Bruserud, J. Bergheim, F. V. Shammas and I. Nesthus

Prototypical HTLV-I/II infection is rare in LGL leukemia

423 T. P. Loughran Jr, M. P. Sherman, F. W. Ruscetti, S. Frey, T. Coyle, R. A. Montagna, B. Jones, G. Starkebaum and B. J. Poiesz

The natural tyrosine kinase inhibitor genistein produces cell cycle arrest and apoptosis in Jurkat T-leukemia cells

431 F. Spinozzi, M. C. Pagliacci, G. Migliorati, R. Moraca, F. Grignani, C. Riccardi and I. Nicoletti

Purine metabolism in promyelocytic HL60 and dimethylsulphoxide-differentiated HL60 cells

441 N. Ahmed and M. J. Weidemann

1,25(OH)₂-16ene-vitamin D₃ is a potent antileukemic agent with low potential to cause hypercalcemia

453 S. J. Jung, Y. Y. Lee, S. Pakkala, S. de Vos, E. Elstner, A. W. Norman, J. Green, M. Uskokovic and H. P. Koeffler

Brief Communication

Detection of *bcrabl* fusion mRNA in samples of whole, unfractionated blood

465 T. Kolbe, K. Cuddy, I. Brodsky, D. I. Marks and D. Gillespie

Letter to the Editors

Non-toxic DNA extraction in a clinical setting

469 G. Martin and E. Lawlor

473 Announcement

Number 7

Clinical Studies

Multidrug resistance phenotype in patients with chronic lymphocytic leukemia as detected by immunofluorescence (FACS) and Northern blot analysis

Impaired cell-mediated immunity to cytomegalovirus (CMV) in leukemic children with prolonged CMV viruria

Near-tetraploid poorly differentiated acute myeloid leukemia M0 diagnosed by short-term cultures with a phorbol ester TPA

Phenotype, genotype and cytokine production in acute leukemia involving progenitors of dendritic Langerhans' cells

Original Articles

The C.B.17 *scid* mouse strain as a model for human disseminated leukaemia and myeloma *in vivo*

Redox reagents and staurosporine inhibit stimulation of the transcription regulator NF- κ B following tumour necrosis factor treatment of chronic B-leukaemia cells

Modulation of growth supportive and oncogenic properties of murine leukemia cells

Modulation and intracellular transport of CD20 and CD21 antigens induced by B1 and B2 monoclonal antibodies in RAJ1 and JOK-1 cells—an immunofluorescence and immunoelectron microscopy study

Letters to the Editors

Blood gas analysis in patients with hyperleucocytosis: validity of repeated measures on same sampling without ice?

Phenotypical analysis of acute lymphoblastic leukaemia at first relapse

475 G. Wulf, H. Kluding, A. D. Ho, M. Doerner, H. Doehner, C. Manegold and W. Hunstein

485 T. Ihara, N. Yasuda, M. Isaji, S. Torigoe, M. Ito, H. Kamiya and M. Sakurai

493 P. Lemež, J. Jelínek, K. Michalová, K. Koubek, J. Schwarz, V. Malásková, B. Rypáčková, A. Jirásek, J. Březinová, J. Hrabánek and A. Vitek

499 B. I. Sahai Srivastava, A. Srivastava and M. D. Srivastava

513 A. R. Cattani and E. Douglas

523 S. A. B. Jabbar, A. V. Hoffbrand and R. G. Wickremasinghe

531 S. Moqattash, N. G. Abraham and J. D. Lutton

541 S. Pulczynski, A. M. Boesen and O. M. Jensen

553 F. Vincent, V. Levy, T. Bensousan, B. Escudier and B. Leclercq

555 K. Muroi, M. Yoshida, K. Hatake, Y. Amemiya and Y. Miura

557 Announcements

Number 8

Original Articles

Bone marrow cellularity in myeloid stem cell disorders: impact of age correction

Increased incidence of HLA antigen B35 in patients with chronic lymphocytic leukemia

Peripheral and intrasplenic platelet kinetics and bone marrow megakaryopoiesis in α -2b-interferon treated hairy cell leukemia

Interferon-alpha-2b downregulation of oncogenes H-ras, c-raf-2, c-kit, c-myc, c-myb and c-fos in ESKOL, a hairy cell leukemic line, results in temporal perturbation of signal transduction cascade

Liposome encapsulation circumvents the hepatic clearance mechanisms of all-trans-retinoic acid

Selective expression of heat shock genes during differentiation of human myeloid leukemic cells

559 N. Tuzuner, C. Cox, J. M. Rowe and J. M. Bennett

565 J. Cuttner, D. Skerrett, O. Rosina, K. M. Troy, S. Wallenstein and M. Spivack

569 H. Wadenvik, I. Braide, B. Ridell, J. Kutti, S. Jacobsson and P. Revesz

577 W. H. Harvey, O. S. Harb, S. T. Kosak, J. C. Sheaffer, L. R. Lowe and N. A. Heerema

587 K. Mehta, T. Sadeghi, T. McQueen and G. Lopez-Berestein

597 N. F. Mivechi, Y.-M. K. Park, H. Ouyang, X.-Y. Shi and G. M. Hahn

Effects of GM-CSF on Ki67 expression and cell cycle traverse in acute myelogenous leukemia specimens and cell lines

Alteration of p53 conformation and induction of apoptosis in a murine erythroleukemia cell line by dimethylsulfoxide

Serum laminin P1 in idiopathic myelofibrosis and related diseases

Modulation of CD13 expression during retinoic acid-induced differentiation of HL60 cells

Cytotoxic effect of extracellular ATP on L1210 leukemic cells and normal hemopoietic stem cells

Lipids and lipoproteins in acute lymphoblastic leukaemia (ALL)

Letters to the Editors

Reference standards for bone marrow cellularity

Infection of elderly patients receiving high dose cytarabine-based chemotherapy for induction treatment of acute myelogenous leukemia (AML)

CD72 is constantly expressed in chronic lymphocytic leukemia and other B-cell lymphoproliferative disorders

609 J. L. Liesveld, P. C. Keng, J. M. Rowe, J. F. DiPersio and C. N. Abboud

617 J. J. Ryan and M. F. Clarke

623 H. Hasselbalch and P. Junker

629 K. Razak, P. D. Allen, S. M. Kelsey, C. N. Gutteridge and A. C. Newland

637 Y. Hatta, S. Aizawa, T. Itoh, M. Baba and T. Horie

643 S. Baroni, D. Scribano, L. Pagano, C. Zuppi, G. Leone and B. Giardina

645 N. Tuzuner and J. M. Bennett

649 J. Nemunaitis, W. Meyer, J. Nemunaitis, E. Taylor, C. Riley and B. Cooper

651 R. Garand, N. Robillard and R. Bataille

653 Announcement

Number 9

Clinical Studies

Treatment of relapsed and refractory acute myelogenous leukaemia with aclacinomycin A (ACA) and etoposide (VP-16)

Relation between platinum-DNA adducts and complete remission in adult acute nonlymphocytic leukemia

The differential diagnostic capacity of serum amyloid A protein between infectious and non-infectious febrile episodes of neutropenic patients with acute leukemia

Burkitt's type translocation in multiple myeloma

655 W. Hilbe, J. Thaler, W. Eisterer, C. Ludescher and D. Niederwieser

659 S. G. Armstrong, G. P. Browman, A. M. Benger, R. M. Meyer, K. L. McKay and G. Singh

665 M. T. Časl, B. Rogina, I. Glojnaric-Spasic, H. Minigo, A. Planinc-Peraica and B. Jakšić

671 F. Solé, S. Woessner, P. Acín, A. Pérez-Losada, L. Florensa, C. Besses and J. Sans-Sabrafen

Original Articles

Characterization of bone marrow stromal cells from multiple myeloma

In vitro drug resistance in acute myeloid and chronic B-lymphocytic leukaemic blasts and in normal blood and marrow populations

Quantitative determination of the ratio of mutated to normal *ras* genes in the blood of leukemia patients by allele-specific PCR

Polyamine transport in human promyelocytic leukemia cells and polymorphonuclear leukocytes

Characterization of newly established adriamycin resistant human leukemic cell lines (KY-ADR1 and KY-ADR2)

Prevention of S-D-lactoylglutathione-induced inhibition of human leukaemia 60 cell growth by uridine

675 M. G. Gregoret, D. Gottardi, P. Ghia, L. Bergui, F. Merico, P. C. Marchisio and F. Caligaris-Cappio

683 P. Baines, M. Limaye, T. Hoy, R. A. Padua, J. Whittaker, A. Al-Sabah and A. Burnett

693 T. Horikoshi, H.-J. Lenz, K. Danenberg, O. M. Koch, J. R. Bertino and P. V. Danenberg

703 J. D. Walters and M. S. Wojcik

709 T. Fukuda, T. Kakiyama, T. Kamishima, Y. Ohnishi, M. Naito, K. Kishi, A. Shibata and T. Tsuruo

717 L. G. Edwards and P. J. Thornalley

Letter to the Editors

Transient leukaemia in newborn infants with Down's syndrome

723 B. J. Bain

Number 10

Editorial

Medical bioresearch and scientific integrity

725 J. M. Bennett and T. J. Hamblin

Original Articles

Leukotrienes and lipoxins—new potential performers in the regulation of human myelopoiesis

727 L. Stenke, P. Reizenstein and J. Å. Lindgren

Cytokine and growth factor gene expression by bone marrow stroma of mice with damaged hematopoiesis and during regeneration

733 V. Barak and Z. Ben-Ishay

Effect of retinoic acid and interferon alpha on granulocyte-macrophage colony forming cells in chronic myeloid leukemia: increased inhibition by all-*trans*- and 13-*cis*-retinoic acids in advanced stage disease

741 G. E. Sagayadan, P. H. Wiernik, N. Sun, G. Ahearn, D. Thompson, S. J. Hallam, Xiao-Ping Hu, J. P. Dutcher and R. E. Gallagher

Leukemic cell membrane from acute myelogenous leukemias with massive mast cell infiltration has a mast cell differentiation activity under culture condition containing interleukin 3

749 T. Fukuda, T. Kakiyama, T. Kamishima, Y. Ohnishi, M. Naito, K. Kishi and A. Shibata

Translocation (8;21) in oligoblastic leukemia: is this a true myelodysplastic syndrome?

761 Yongquan Xue, Fei Yu, Zhenghui Zhou, Yu Guo, Xing Xie and Baojue Lin

Commentary

Pseudo-myelodysplastic syndrome with t(8;21)

767 T. J. Hamblin

Original Articles

Therapy with recombinant human erythropoietin in patients with myelodysplastic syndromes

769 R. M. Stone, S. H. Bernstein, G. Demetri, D. P. Facklam, K. Arthur, J. Andersen, J. C. Aster and D. Kufe

Elevated plasma soluble interleukin 2 receptor level correlates with defective natural killer and CD8+ T-cells in myelodysplastic syndromes

777 N. Yokose, K. Ogata, T. Ito, E. An, H. Tamura, K. Dan, H. Hamaguchi, H. Sakamaki, Y. Onozawa and T. Nomura

Cost analysis of different phases of acute myeloid leukaemia

783 A. M. Stalfelt, H. Brodin and B. Wadman

Persistent polyclonal B-cell lymphocytosis

791 S. Agrawal, E. Matutes, J. Voke, M. J. S. Dyer, T. Khokhar and D. Catovsky

Number 11

Original Articles

The rate of disease progression predicts the quality of remissions following intensive chemotherapy for myelodysplastic syndromes

797 W. J. R. Hirst and G. J. Mufti

The cytotoxicity of thioguanine vs mercaptopurine in acute lymphoblastic leukemia

805 P. C. Adamson, D. G. Poplack and F. M. Balis

Commentary

Mercaptopurine vs thioguanine for the treatment of acute lymphoblastic leukemia

811 W. E. Evans and M. V. Relling

Original Articles

Lymphokine-activated killer cytotoxicity and lymphocyte subpopulations in patients with acute leukemia

815 A. Parrado, S. Casares and J.-M. Rodríguez-Fernández

Serum transferrin receptor and erythropoiesis in children with newly diagnosed acute lymphoblastic leukemia

823 S. M. Kivivuori, L. Viinikka, A.-M. Teppo and M. A. Siimes

Principal drug-metabolizing enzyme systems in L1210 leukemia sensitive or resistant to BCNU *in vivo*

Glycosaminoglycans enhance human leukemic cell growth *in vitro*

Enhancement of J6-1 human leukemic cell proliferation by cell-cell contact: role of an M-CSF-like membrane-associated growth factor MAF-J6-1

Acycloguanosine and herbimycin A co-operatively inhibit proliferation and induce erythroid differentiation of human myeloid leukemia K562 cells

Induction of cell surface interleukin 2 receptor alpha chain expression on non-T lymphoid leukemia cells

Overexpression of human thymidine kinase mRNA without corresponding enzymatic activity in patients with chronic lymphatic leukemia

In vivo antitumor activity of herbimycin A, a tyrosine kinase inhibitor, targeted against BCR/ABL oncoprotein in mice bearing BCR/ABL-transfected cells

Letter to the Editors

Treatment of graft failure after bone marrow transplantation

829 V. Ribrag, L. Massaad, F. Janot, M.-C. Bissery, O. Parise Jr, A. Gouyette and G. G. Chabot

837 A.-M. Maurer, Z. C. Han, D. Dhermy and J. Brière

843 Ke-Fu Wu, Qing Rao, Guo-Guang Zheng, Yi-Qi Geng, Mu Li, Jian Kong, Yu-Hua Song, Hong-Guang Ying and B. D.-M. Chen

851 Y. Honma

855 K. Nakase, K. Kita, S. Shirakawa, I. Tanaka and M. Tsudo

861 T. Kristensen, H. K. Jensen and B. Munch-Petersen

867 M. Okabe, Y. Uehara, T. Noshima, T. Itaya, Y. Kunieda and M. Kurosawa

875 T. Yokota, A. Tsuboi, Y. Okajima, Y. Oji, Y. Moriyama, T. Tatekawa, T. Karasuno, N. Tominaga, H. Tejima, A. Hiraoka, H. Nakamura and T. Masaoka

Number 12

Original Articles

Chronic myeloid leukemic granulocytes exhibit decreased adhesion to fibronectin

Immunophenotyping of childhood acute lymphoblastic leukemia in Saudi Arabia: second look

Concise Report

Inv(16) may be one of the only 'favorable' factors in acute myeloid leukemia: a report on 19 cases with prolonged follow-up

Commentary

Karyotypically defined risk groups in acute myeloid leukaemia

Detection of t(8;21) by reverse transcriptase polymerase chain reaction in patients in remission of acute myeloid leukaemia type M2 after chemotherapy or bone marrow transplantation

Concise Report

Detection of aneuploid cells in acute lymphoblastic leukemia with flow cytometry before and after therapy

Selection and characterization of an erythroeosinophilic subclone (LAMA-87) and an eosinophilic subclone (LAMA-88) from the multipotential cell line LAMA-84

Commentary

Leukemia cell lines: *in vitro* models for the study of chronic myeloid leukemia

877 V. K. Vijayan, S. H. Advani and S. M. Zingde

881 S. H. Khalil, M. H. Qari, J. M. Jackson, R. H. Pyle, H. El-Solh and A. Al-Nasser

885 I. Plantier, J. L. Lai, E. Wattel, F. Bauters and P. Fenaux

889 A. K. Burnett

891 M. J. Saunders, K. Tobal and J. A. Liu Yin

897 R. Nowak, U. Oelschlägel, R. Hofmann, H. Zengler and R. Huhn

903 P. Champelovier, O. Valiron, J. Michèle, L. Dominique and D. Scigncurin

919 H. G. Drexler

Establishment of a retrodifferentiated cell line from a single differentiated rat myelomonocytic leukemia cell: possible roles of retrodifferentiation in relapses of leukemia after differentiation-inducing therapy

Expression of 1D8—a novel non-sialylated B-cell-associated carbohydrate epitope in lymphoproliferative disorders

Influence of idarubicinol on the antileukemic effect of idarubicin

929 *M. Kobayashi, H. Nagayasu, Y. Kuramitsu, N. Shinobu, N. Takeichi and M. Hosokawa*

935 *H. Taskov, M. Nikolova and E. Dimitrova*

943 *T. Fukushima, Y. Kawai, Y. Urasaki, A. Yoshida, T. Ueda and T. Nakamura*

i Volume 18 Title Section, Contents and Author Index

